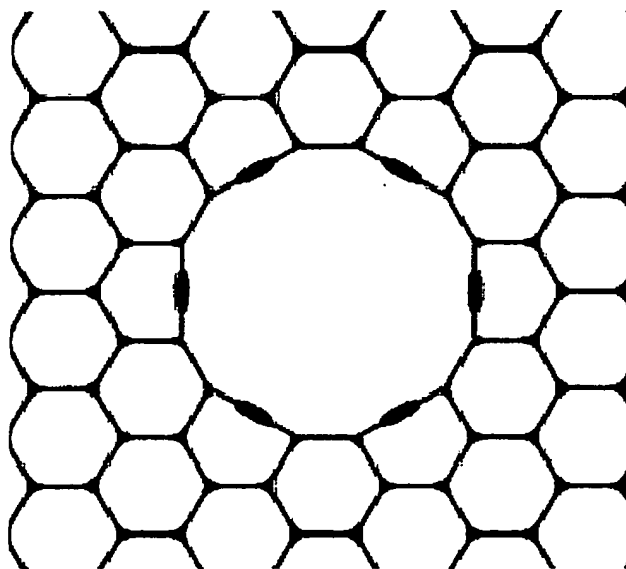
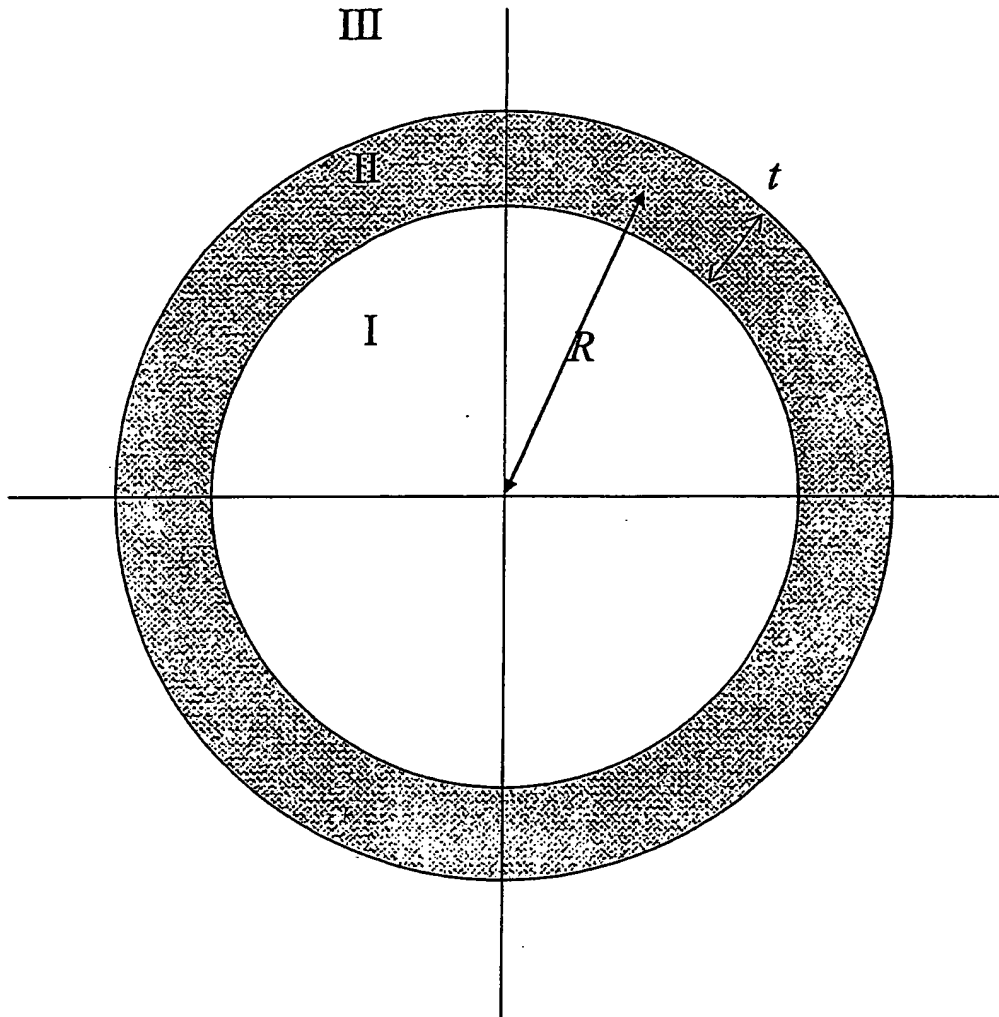


**Figure 1**



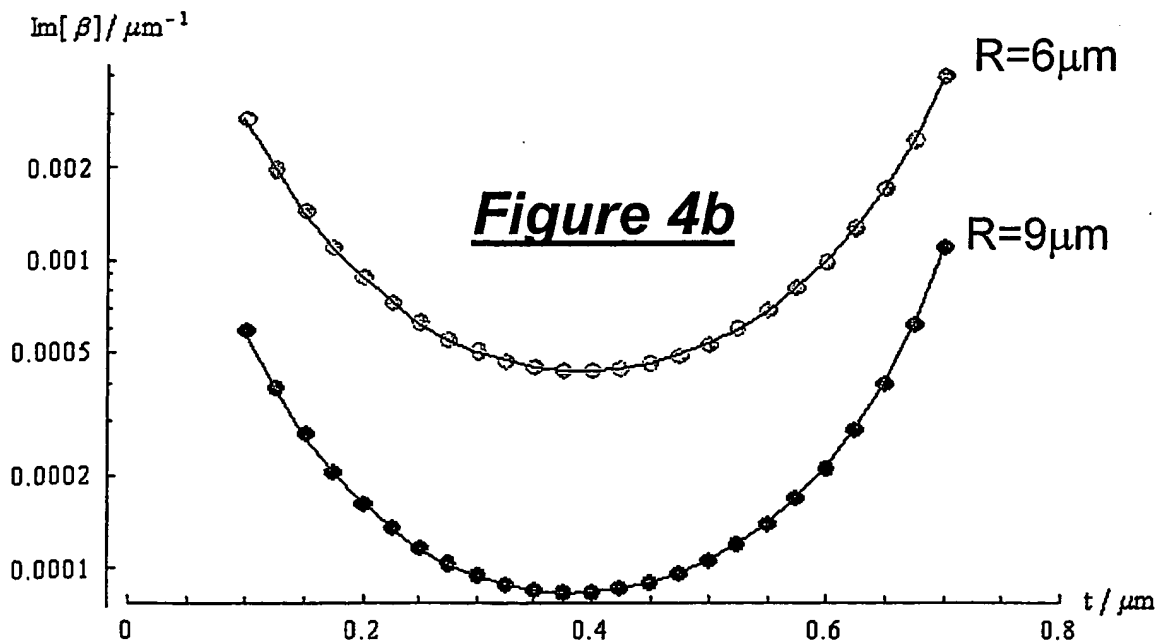
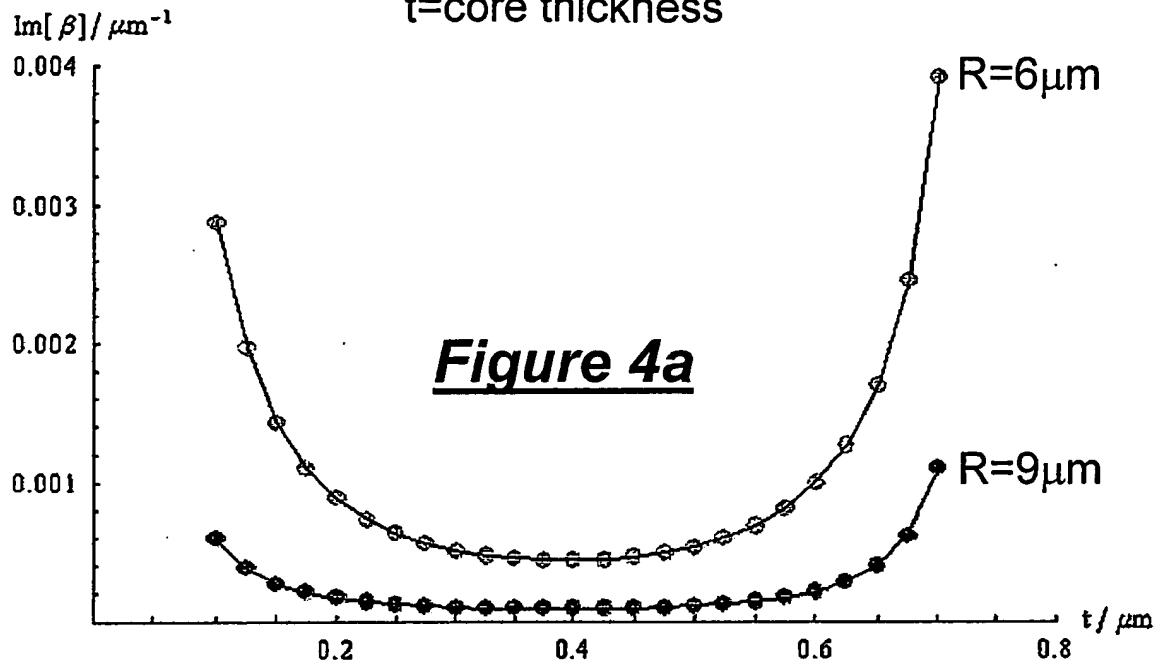
**Figure 2**



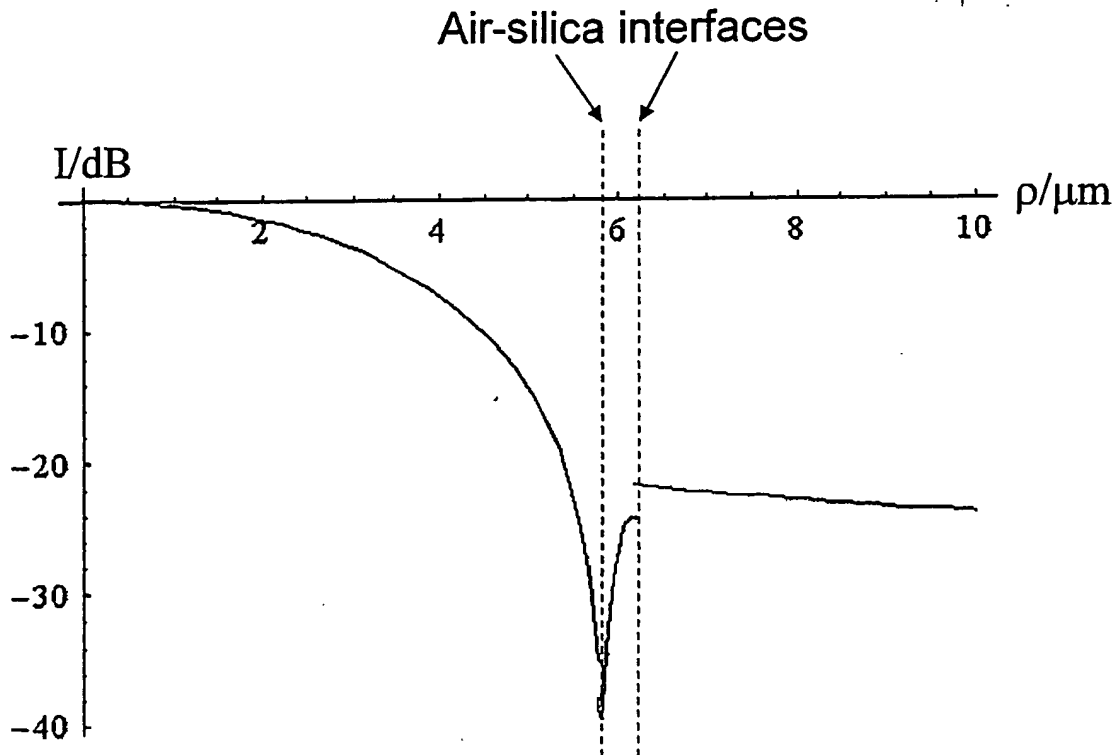
**Figure 3**

10/550095

$\lambda = 1.55 \mu\text{m}$   
 $R = \text{mean ring radius}$   
 $t = \text{core thickness}$

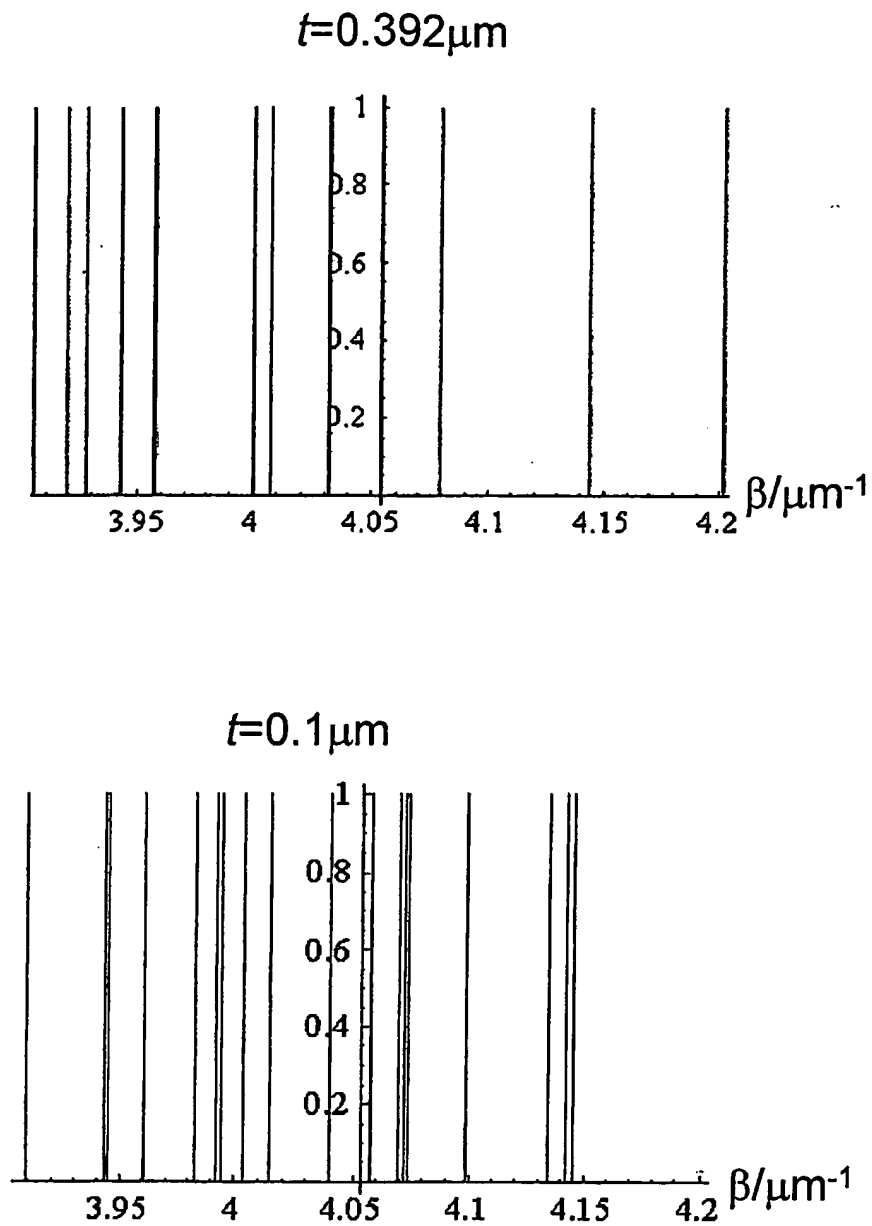


10/550095



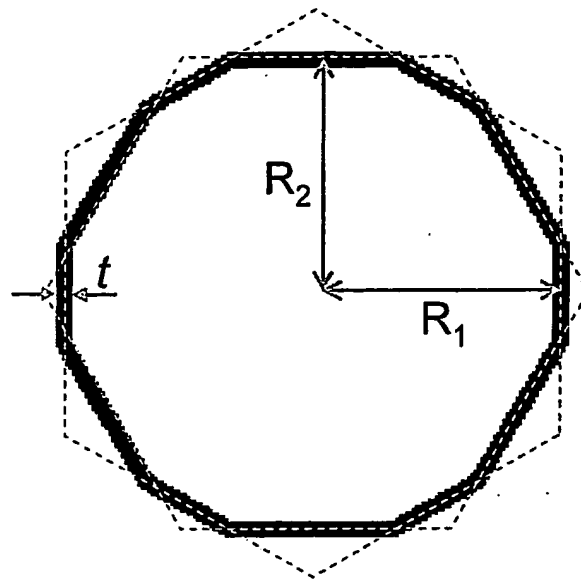
**Figure 5**

10/550095



**Figure 6**

10/550095

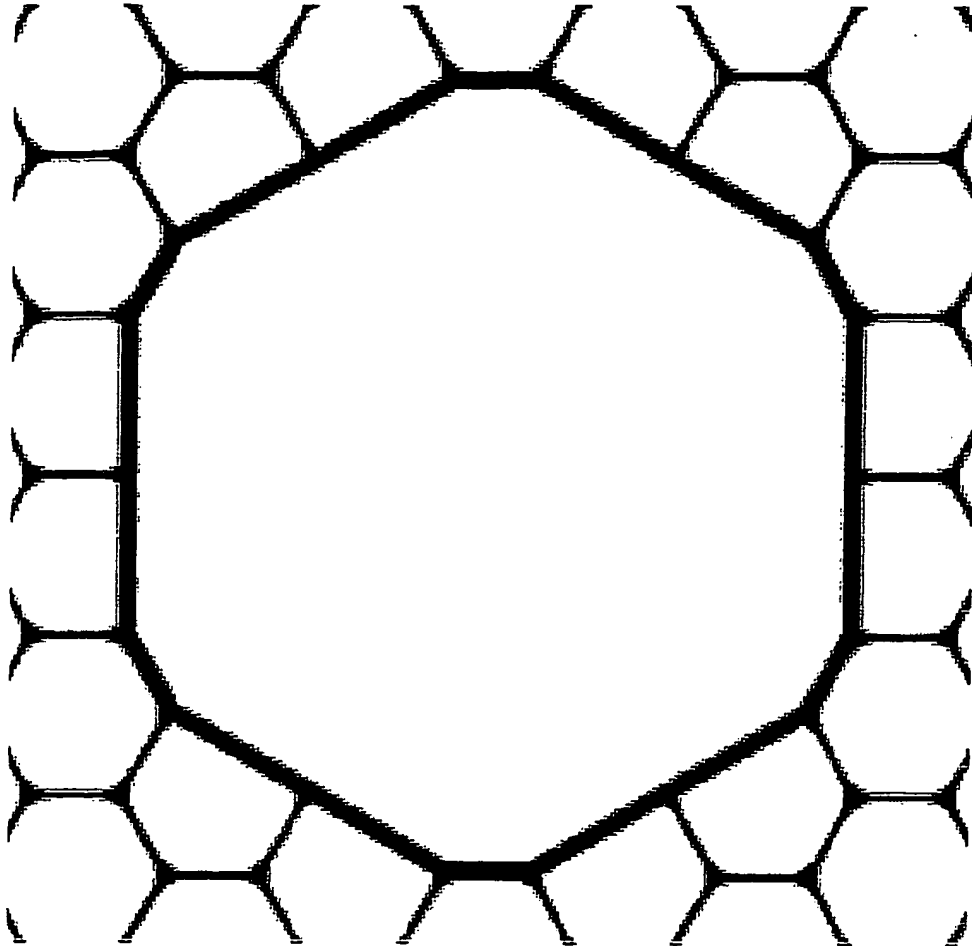


$$R_1 = \frac{3\sqrt{3}}{5} R_2$$

**Figure 7**



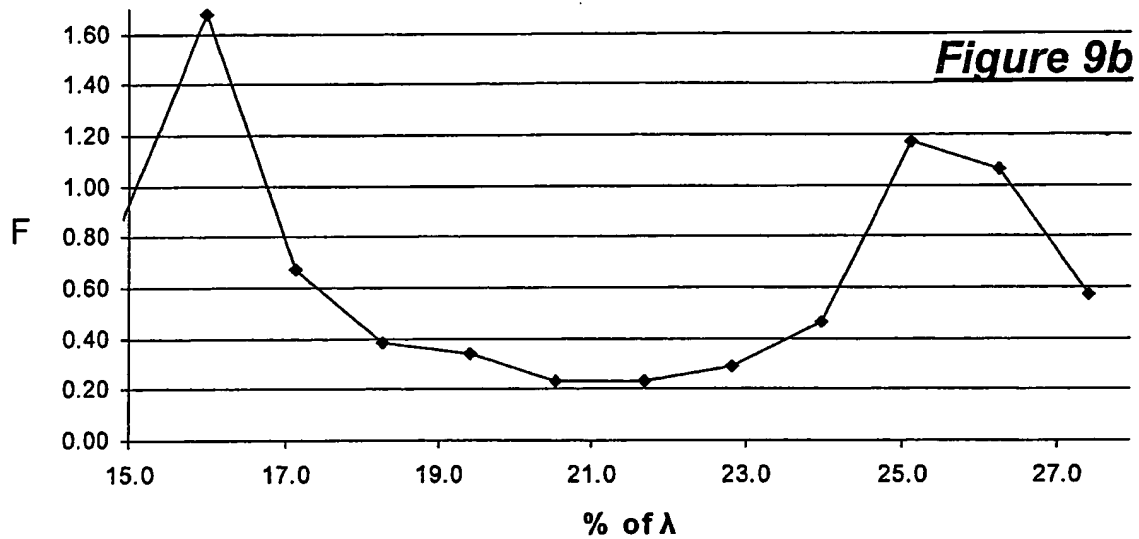
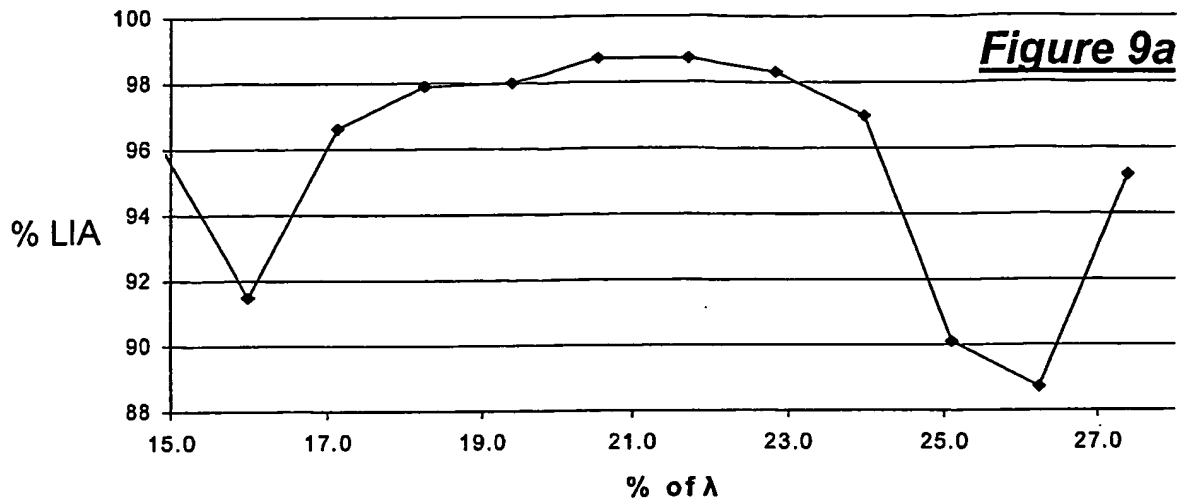
10/550095

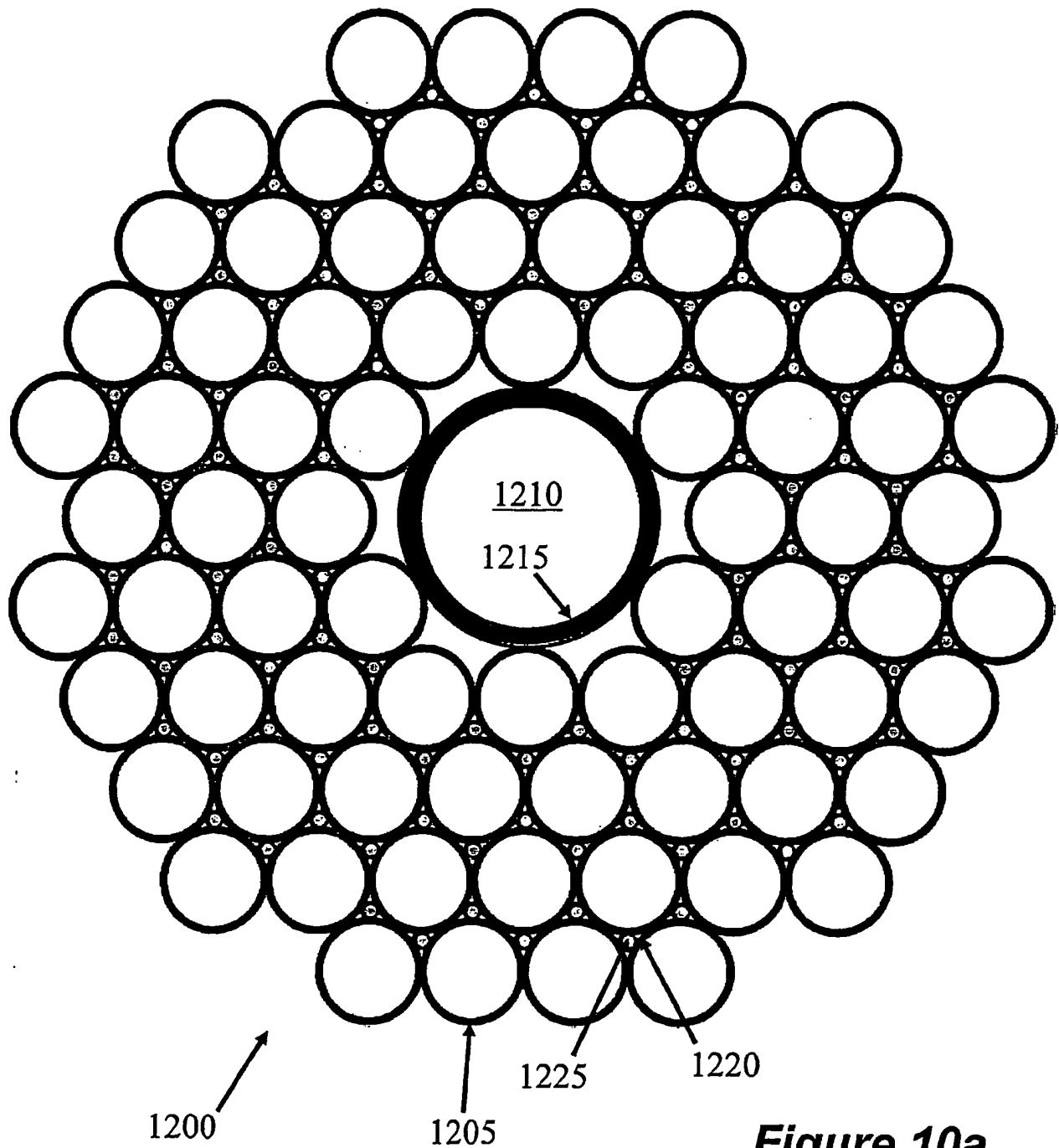


**Figure 8b**

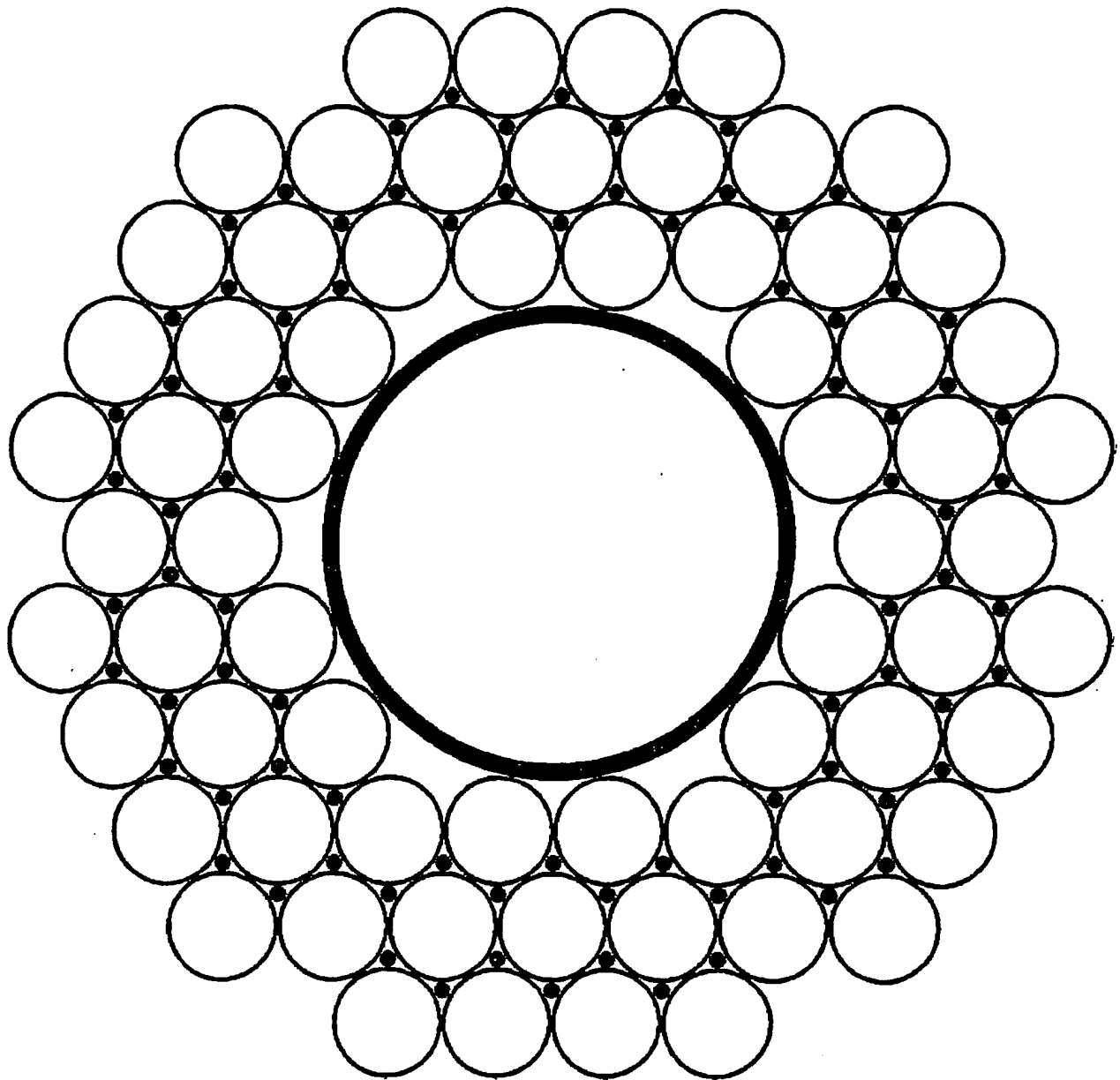


10/550095





**Figure 10a**



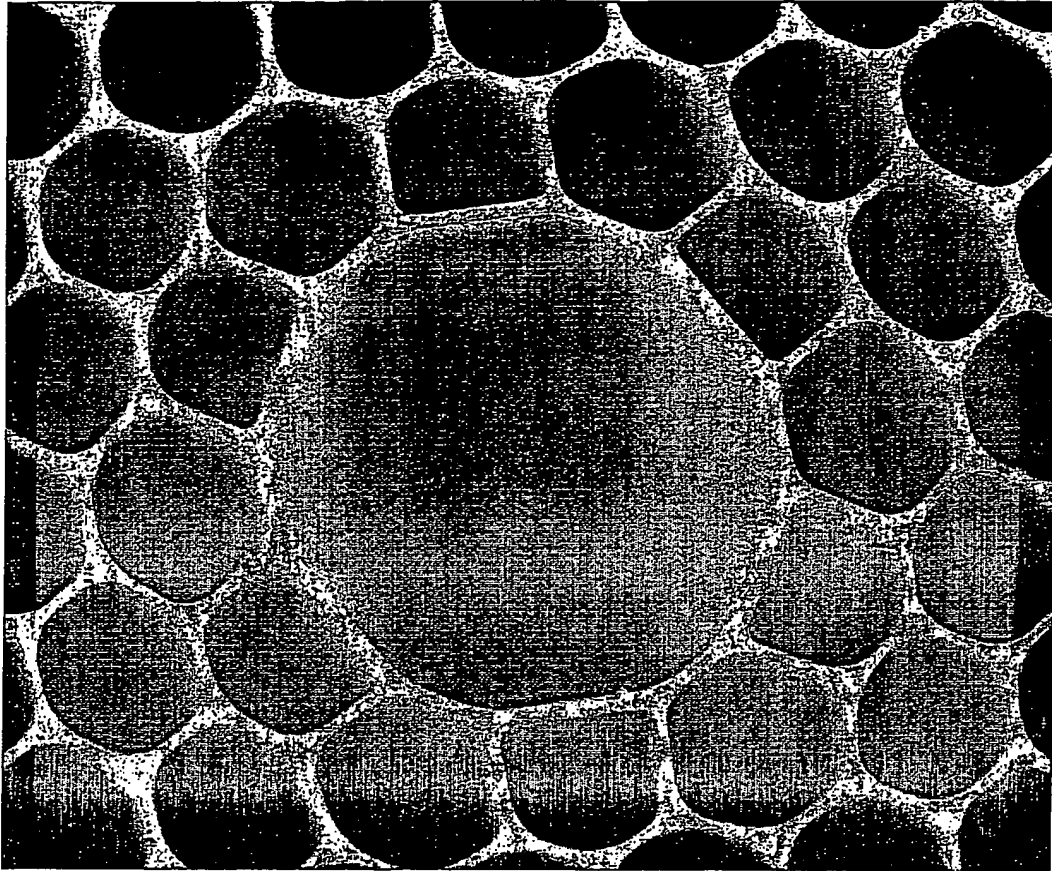
**Figure 10b**

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WAVEGUIDE WITH ANTI-RESONANT CORE  
BOUNDARY

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.  
ATTY. DKT. No.: 034279-010

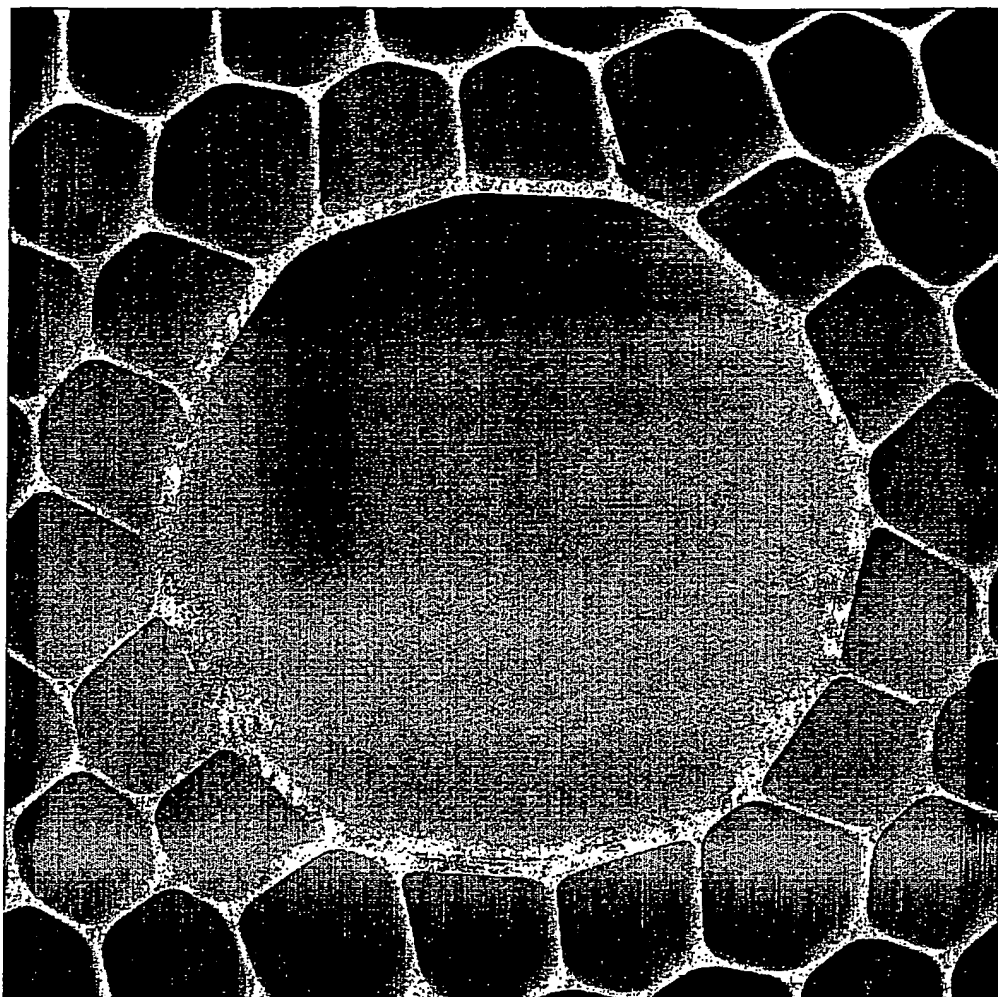
SHEET 12 OF 15

10/550095



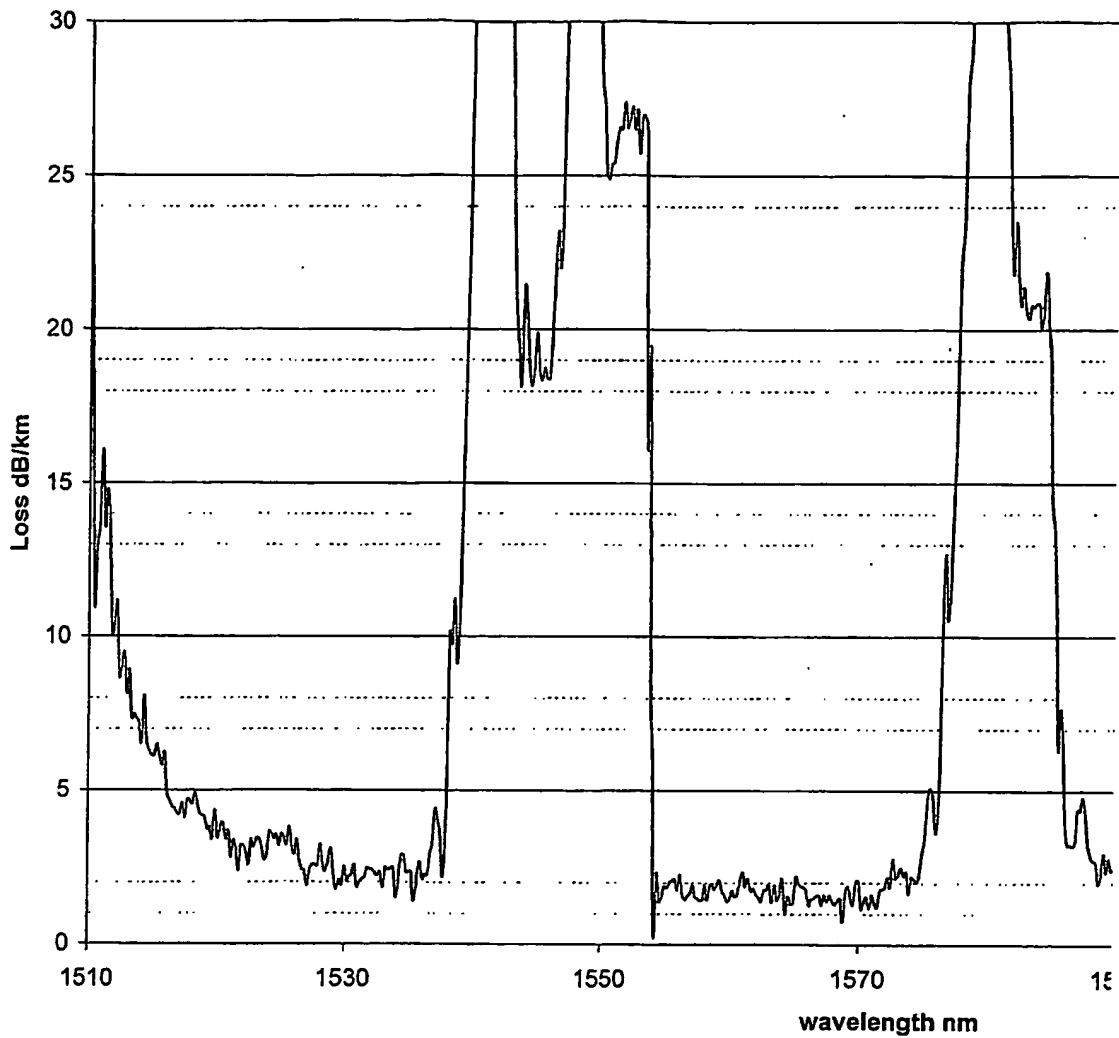
**Figure 11a**

10/550095



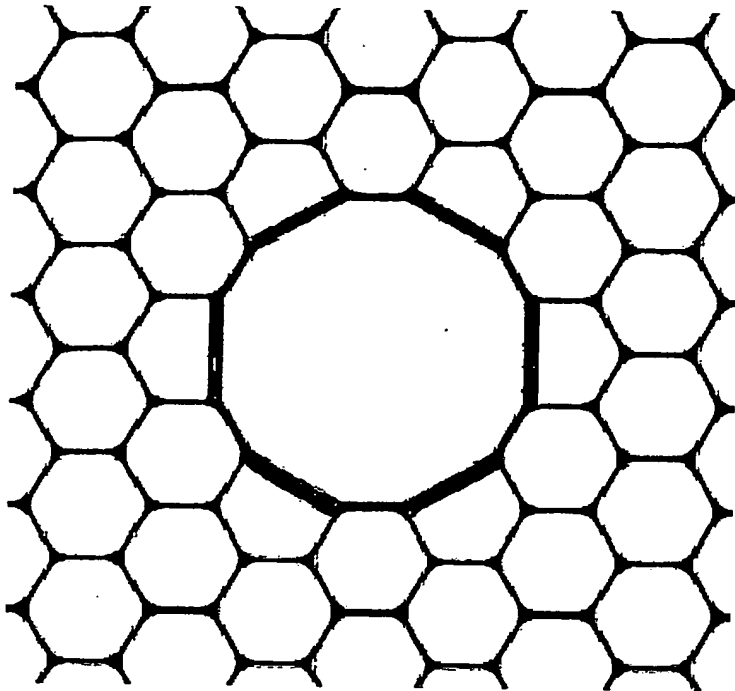
**Figure 11b**

10/550095

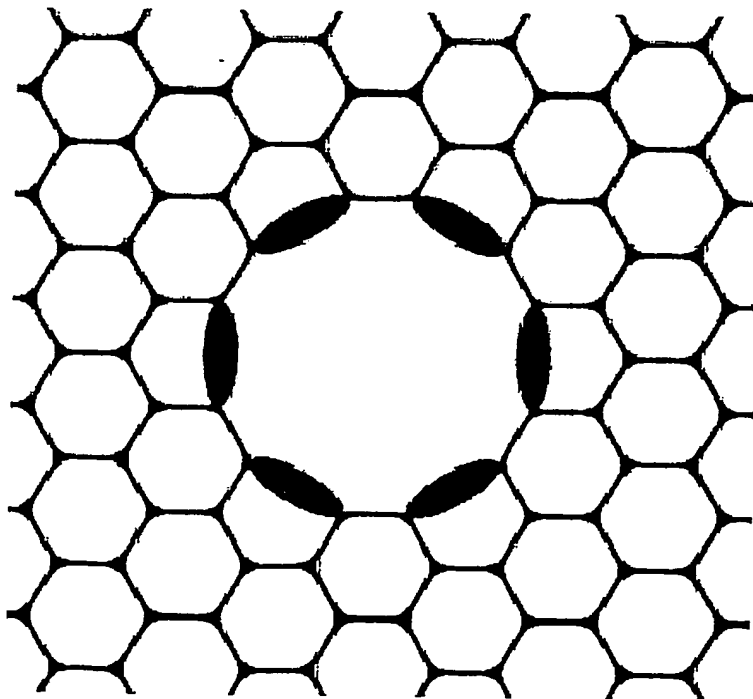


**Figure 12**

10/550095



**Figure 13**



**Figure 14**